PHYSICAL COLLOCATION (ACOI)
PROJECT LIFE CYCLE

PROPOSAL PREPARATION / PROJECT START

Ameritech

1. NECC Receives Alternate Exchange Carrier (AEC) application
   - Verify accuracy & completeness
   - Assign Service Order number
   - Forward To Collocation Coordinator

2. Collocation Coordinator determines if ACOI floor space available?
   - CSPEC
   - ARE Floor space manager
     - Administrative space
     - Floors without COE

3. ACOI Floor space available?
   - No floor space available
     - Inform AIIS Service Manager
     - Place AEC on waiting list
     - End of process
   - Floor space available
     - Verify to NECC

4. Obtain AEC Firm Order Confirmation
   - Collect Application Fee

5. Establish Undertaking in PE status

6. Schedule Walk-thru
   - Contact ASC Program Manager
     - Location
     - Date of walk-thru
     - UT #
     - AEC building requirements

ARE D&C Program Manager

7. Prepare Engagement
   - Forward for approval

8. Determine/Contact Project Manager
   - Forward Copy of Approved Engagement
   - Forward Collocation Database

9. Prepare/forward proposed COBO layout to Project Manager

10. Contact Ameritech Lock & Key Group

ARE D&C Project Manager

11. Prepare Environmental Consultant Engagement
    - Forward for approval

12. Perform sampling & Testing
    - Determine scope of abatement

13. Attend walk-thru (within 14 days of Firm Order Confirmation)

14. Initiate Build-Out Alterations (COBO Step #3)

15. Prepare Central Office Build-Out Proposal
    - Cost estimate
    - Schedule
    - Scope Desription

16. Forward Proposal to Program Manager

ARE D&C Program Manager

16. Verify cost estimate & schedule
    - Forward to Collocation Coordinator
      - Within 7 days of walk-thru

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17. Collocation Coordinator
    - Compile cost estimates
    - Prepare written proposal
      - Cost/Schedule
      - Forward to AIIS

18. Forward Written Proposal to Alternate Exchange Carrier

CENTRAL OFFICE BUILD-OUT

ARE D&C Program Manager

1. Update Engagement
2. Update Undertaking

ARE D&C Project Manager

3. Initiate abatement if required
   Prepare Environmental Consultant Change Order/Engagement
   Forward for execution
4. Prepare ACM removal documents
5. Review ACM removal documents
6. Bid/Award abatement
7. Prepare Environmental Contractor Engagement
   Forward for approval
8. Coordinate with regulatory agencies
9. Prepare work & safety plans
10. Pre-start (MOP)meeting
11. Perform abatement
    Monitor abatement
12. Prepare Environmental Close-out Documents
13. Assemble Environmental Close-Out Documents
14. Review Environmental Close-Out Documents
15. Process payment applications
16. Establish Commissioning Team
    Prepare Commissioning Plan
17. Initiate Design
    In-house / consultant
    Prepare Engagement
    Forward for approval
18. Prepare COBO construction documents
19. Review COBO construction documents
20. Bid/Award Project
21. Prepare Contractor Engagement
    Forward for approval
22. Pre-start (MOP) meeting
23. Perform COBO alterations
    Update schedule
24. Update record drawings
    Building base
    Forward copy to CSPEC

Collocation drawing
FIM drawing

25. Conduct final inspection
    PrepareCommissioning reports

26. Prepare "As-Built" drawings

27. AEC walk-thru (by Collocation Coordinator

28. Complete Punch List

29. Process payment applications

30. Project close-out

PHYSICAL COLLOCATION (ACOI)

DESIGN STANDARDS
Central Office Building Alterations

COBO (Central Office Build Out) alterations includes the following:

- Security fencing and locking to secure the Collocation area from Ameritech facilities including the provision of secure access to the Collocation area where feasible.
- Lighting
- HVAC
- (1) power receptacle on a dedicated circuit
- Upgrade of the fire detection system in the Collocation area to current Ameritech standards
- ". . . the Telephone Company's obligation is limited to providing such services in substantially the same fashion as it provides such services to itself in the building in which the Transmission Node is located"
- New Transmission Nodes shall be 9'-0" x 11'-0" where practicable. This size maximizes the usability of the area for the Customer

Transmission Node Enclosure

- 8'-0" high security fencing, as specified below, around a specific Customer's Transmission Node
- A lockable 3'-0" wide sliding gate will be provided for each Transmission Node Enclosure. Swinging gates will be used only when installation of a sliding gate is not practicable
- The exact location of the gate into a Transmission Node Enclosure will be coordinated with the Customer. However, at no time shall a gate be located in a position which will encumber further development of the collocation area.

Extraordinary Work

- All alterations required to prepare an area for Collocation or work requested by the Customer which is not specifically identified under COBO or Transmission Node Enclosure shall be considered Extraordinary work
- All extraordinary work requested by the customer must be approved by Ameritech
- Required Extraordinary work "may include but is not limited to: asbestos abatement, fire suppression system alterations or containment & conversion of non-Central Office space".

Security Separation

- Security separations will provided using 8'-0" high wire mesh security fencing
  - Mesh - 1 1/2" x 1 1/2 " nom. x 10 Ga.
  - All components except connector hardware to be factory painted
  - Gates to be 3-0" wide and of construction and finish equal to the security fencing
- Under no circumstances shall security separations installed for Collocation violate exiting requirements for any Ameritech or Collocation area
- Walls will be provided only when special separations such as fire separation or fire suppression system containment are required.

Locking

- The primary locking hardware used for Collocation will be keyed locks. Card readers or coded locks may be used for access to the main Collocation area or to secure doors along the secure access path if provided.
- Under no circumstances shall security devices installed for Collocation violate exiting requirements for any Ameritech or Collocation area
- Locking requirements will be reviewed by the Ameritech Security Lock & Key group
- Card access systems will be used only if already deployed within the building and only to secure Ameritech Network equipment areas
- Coded locks may be used to secure stairways used by the general building population

- Keyed locks will be used for securing support areas such as mechanical rooms and house service closets along the secure access path
- Keyed locks only, shall be used for securing Transmission Node Enclosures
- All keyed locks for the Collocation area shall accept Best cylinders and/or cores as manufactured by the Best Lock Corporation
- All lock cylinders and cores for the Collocation area and Transmission Node Enclosures will be provided by Ameritech. The standard cylinder will be a Best 1E74 for a 7 pin core
- Standard Locks
  - Sliding gate - Best 6S75 series gate lock with Best 1E74-C4 cylinder with R7 3/4" straight ring
  - Swing gate - Best 6S77 series gate lock with Best 1E74-C136 cylinder with B35103 straight ring
  - Other locks may be used but must accept and operate with the Best lock cylinder(s) specified above
- Requests for keys & access cards for Ameritech personnel and Customers will be made by Ameritech personnel

Electrical

- Lighting
  - Fixtures - 1' x 4' nom., 2-lamp, stem hung open fluorescent with reflector
  - Mounting height - 10'-0" A.F.F.
  - Number of fixtures - (1) fixture/50 s.f. (100 fc. nom.) of Transmission Node area
  - Stumble lighting - provide as required by building code in aisle/common areas
- Power
  - Receptacle - (1) 120vac duplex electrical receptacle on a dedicated 20A circuit / 100 s.f. of Transmission Node area
  - Mounting - receptacle to be mounted to building structure; mounting to security fencing, power poles & direct wiring to, or provisions for direct wiring to equipment bays is not permitted
  - Generator back-up - Not required
- Fire Detection
  - Update fire detection system in the Collocation Area to current Ameritech fire detection standards
  - Fire detection system upgrades for Collocation will be for the Collocation area only
  - Fire detection system alterations will be performed by Ameritech SecurityLink

Mechanical

- Environment provided for Collocation areas to be substantially equal to the environment provided for Ameritech Central Office Equipment in the building in which the Collocation area is provided
- Cooling loads shall be developed from equipment heat loads provided by the Customer
- Main distribution ductwork to be designed to 2 cfm/s.f. of Collocation area to be treated or Customer provided equipment heat loads; whichever is greater
- Mechanical Systems shall be designed in accordance with the AMERITECH STANDARDS & GUIDELINES, SECTION 04, MECHANICAL
- Temperature control systems used shall be those already deployed within the building

Miscellaneous

- All building alterations performed for Collocation shall be performed in accordance with applicable Ameritech standards and governmental regulations
- The area to treated for items such as asbestos abatement main air distribution & fire detection shall be determined by Ameritech
- Access to Ameritech facilities located within the Collocation area will be secured from access by Customers as required
- The availability and location of floor space available for Collocation within Ameritech Central Office Equipment areas shall be determined by the Common Systems Planning & Engineering Center (CSPEC)
- The availability of administrative space for use for Collocation shall be determined by Ameritech Strategic Planning